|  |
| --- |
| Distance of Object’s Shadow# of steps\_\_\_\_\_\_x 3 ft.= \_\_\_\_\_\_ ft. |
| Drawing and label Triangles |
| Proportion |
| Object’s Height |

For this project you will figure out the height of things around the school. You will have to draw a picture of two triangles 1) triangle formed by you and your shadow and 2) a triangle formed by a tall object and its shadow. Write out the correct proportion and solve it for the missing side.

**My Shadow:**

# of steps \_\_\_\_\_\_ x 3

= \_\_\_\_\_\_\_\_ ft.

Convert your height to decimal

(Height)\_\_\_\_ ft. \_\_\_\_\_ in. (in.) \_\_\_\_\_÷ 12= \_\_\_\_\_\_ Put this decimal next to your ft.

Height in decimal\_\_\_\_\_\_\_\_\_\_\_

Palm Tree Trash Can

|  |
| --- |
| Distance of Object’s Shadow# of steps\_\_\_\_\_\_x 3 ft.= \_\_\_\_\_\_ ft. |
| Drawing and label Triangles |
| Proportion |
| Object’s Height |

|  |
| --- |
| Distance of Object’s Shadow# of steps\_\_\_\_\_\_x 3 ft.= \_\_\_\_\_\_ ft. |
| Drawing and label Triangles |
| Proportion |
| Object’s Height |

Light Post Classroom

|  |
| --- |
| Distance of Object’s Shadow# of steps\_\_\_\_\_\_x 3 ft.= \_\_\_\_\_\_ ft. |
| Drawing and label Triangles |
| Proportion |
| Object’s Height |

|  |
| --- |
| Distance of Object’s Shadow# of steps\_\_\_\_\_\_x 3 ft.= \_\_\_\_\_\_ ft. |
| Drawing and label Triangles |
| Proportion |
| Object’s Height |